

## artdaq Utilities - Bug #22980

### daqinterface scripts should be able to tell if their environment hasn't been setup properly

07/23/2019 03:12 PM - Ron Rechenmacher

<b>Status:</b>	Reviewed	<b>Start date:</b>	07/23/2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Experiment:</b>	-	<b>Co-Assignees:</b>	
<b>Description</b>			
I do and get:			
<pre>/home/ron/work/artdaqPrj/demo2-brett/DAQInterface ron@ronlap77 :^) . mock_ups_setup.sh --2019-07-23_15:08:20-- /home/ron/work/artdaqPrj/demo2-brett/DAQInterface ron@ronlap77 :^) listdaq listdaqcomps.sh      listdaqinterfaces.sh ron@ronlap77 :^) listdaq listdaqcomps.sh      listdaqinterfaces.sh ron@ronlap77 :^) listdaqinterfaces.sh /home/ron/work/artdaqPrj/demo2-brett/artdaq-utilities-daqinterface/bin/daqinterface_functions.sh: line 5: + * : syntax error: operand expected (error token is "*" ) DAQInterface instance was launched at 12:51 by ron in partition 0 listening on port 10000 --2019-07-23_15:08:34--</pre>			

#### History

##### #1 - 07/24/2019 02:49 PM - John Freeman

- % Done changed from 0 to 100
- Status changed from New to Resolved

With commit 8cdcffb7bd7b6adfce61d6129fda98ff964f0235 at the head of feature/issue22980\_exit\_without\_environment, the DAQInterface scripts will exit out with an error message if they see that the user hasn't set up the DAQInterface environment.

##### #2 - 07/25/2019 04:14 PM - Ron Rechenmacher

- Status changed from Resolved to Reviewed

verified:

```
/home/ron/work/artdaqPrj/demo2/DAQInterface
ron@ronlap77 :^) . ./mock_ups_setup.sh
--2019-07-25_16:00:45--
/home/ron/work/artdaqPrj/demo2/DAQInterface
ron@ronlap77 :^) listdaqinterfaces.sh
/home/ron/work/artdaqPrj/demo2/artdaq-utilities-daqinterface/bin/daqinterface_functions.sh: line 5: + * : sy
ntax error: operand expected (error token is "*" )
No instances of DAQInterface are up
--2019-07-25_16:00:51--
```

changed to:

```
/home/ron/work/artdaqPrj/demo2/artdaq-utilities-daqinterface
ron@ronlap77 :^) git checkout feature/issue22980_exit_without_environment
Branch feature/issue22980_exit_without_environment set up to track remote branch feature/issue22980_exit_witho
ut_environment from origin.
Switched to a new branch 'feature/issue22980_exit_without_environment'
--2019-07-25_16:01:36--
```

```
/home/ron/work/artdaqPrj/demo2/artdaq-utilities-daqinterface
ron@ronlap77 :^) listdaqinterfaces.sh
```

It appears you haven't set up the DAQInterface environment - e.g., various environment variables which DAQInterface instances and the scripts which control them need in order to know how to behave are unset. Please read the DAQInterface manual at <https://cdcv.s.fnl.gov/redmine/projects/artdaq-utilities/wiki/Artdaq-daqinterface> to learn how to set up the environment. Exiting...

```
--2019-07-25_16:01:53--
```

and then, following the instructions (for develop branch):

```
/home/ron/work/artdaqPrj/demo2/DAQInterface
ron@ronlap77 :^) export DAQINTERFACE_USER_SOURCEFILE=$PWD/user_sourcefile_example
--2019-07-25_16:03:56--
/home/ron/work/artdaqPrj/demo2/DAQInterface
ron@ronlap77 :^) source $ARTDAQ_DAQINTERFACE_DIR/source_me
Using ups-installed DAQInterface, version "1.0"
* The command was successful
* To launch, just type "DAQInterface &" (excluding quotes, ampersand optional)
* Output will be logged in /tmp/daqinterface_ron/DAQInterface_partition<N>.log, where <N>
  is the partition the DAQInterface instance is on
* Help is available at https://cdcv.s.fnl.gov/redmine/projects/artdaq-utilities/wiki/Artdaq-daqinterface
```

```
--2019-07-25_16:03:56--
```

```
/home/ron/work/artdaqPrj/demo2/DAQInterface
ron@ronlap77 :^) listdaqinterfaces.sh
No instances of DAQInterface are up
--2019-07-25_16:04:00--
```